

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/672,751
Applicants : Paul VAN RIEL et al.
Filed : September 26, 2003
Title : METHOD OF ESTIMATING ELASTIC AND
COMPOSITIONAL PARAMETERS FROM SEISMIC AND
ECHO-ACOUSTIC DATA
Group Art Unit : 2857
Examiner : Anthony Gutierrez

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby submit this Information Disclosure Statement (IDS) together with a completed Form PTO/SB/08A.

This application is a continuation of parent United States Patent Application No. 09/817,807, filed March 26, 2001, now United States Patent No. 6,665,615, which was a continuation of PCT Application No. PCT/EP 00/10464, filed October 22, 1999, which designated, *inter alia*, the United States. This IDS identifies the references that were submitted and cited by either the Applicants or the Examiner during the prosecution of the parent application. Pursuant to 37 C.F.R. § 1.98(d), copies of the references are not submitted.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 9, 2004.

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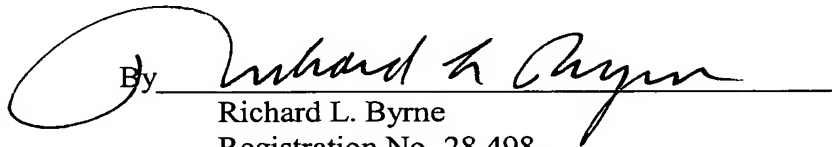
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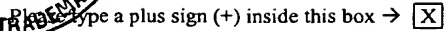
Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to be due for the submission of this Information Disclosure Statement, as it is being submitted before the mailing date of a first Office Action on the merits. Nevertheless, the Commissioner for Patents is hereby authorized to charge any additional fees which may be required to Deposit Account No. 23-0650. One (1) original and two (2) copies of this Information Disclosure Statement are enclosed.

Respectfully submitted,

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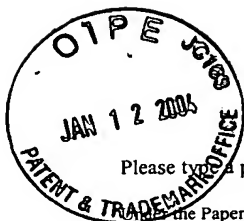
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FOREIGN PATENT DOCUMENTS

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				Filing Date	September 26, 2003
				First Named Inventor	Paul VAN RIEL et al.
				Group Art Unit	2857
				Examiner Name	Anthony Gutierrez
Sheet	2	of	2	Attorney Docket Number	702-031290

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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	AI	SIMMONS et al., "Waveform-based AVO inversion and AVO prediction-error," <i>Geophysics</i> 61(6) (November-December 1996) pp:1575-1588	
	AJ	DRUFUCA et al., "Ambiguities in AVO inversion of reflections from a gas-sand," <i>Geophysics</i> 60(1) (January-February 1995) pp: 134-141	
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	AL	YILMAZ, "Seismic data analysis, processing, inversion, and interpretation of seismic data," <i>Investigations in Geophysics, Society of Exploration Geophysicists II</i> (1987) pp: 1807-1839, Stephen M. Doherty, Editor	
	AM	SMITH et al., "Weighted stacking for rock property estimation and detection of gas," <i>Geophysical Prospecting</i> 35 (1987) pp: 993-1014	
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	AO	AKI, Keiiti and RICHARDS, Paul G., "Quantitative seismology, theory and methods," I (1979) pp: 153-154, W.H. Freeman and Company, San Francisco	
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	AR	XU et al., "A new velocity model for clay-sand mixtures," <i>Geophysical Prospecting</i> 43 (1995) pp: 91-118	
	AS	XU et al., "A physical model for shear-wave velocity prediction," <i>Geophysical Prospecting</i> 44 (1996) pp: 687-717	
	AT	DEBEYE et al., "L _p -norm deconvolution ³ ," <i>Geophysical Prospecting</i> 38 (1990) pp: 381-403	
	AU	GILL et al., "Practical optimization," <i>Systems Optimization Lab., Dept. of Operations Research, Stanford Univ.</i> (1981) pp: 144-154, Academic Press, Inc. (Harcourt Brace Jovanovich Pub.)	
	AV	GILL et al., "Constrained nonlinear programming," <i>G.L. Nemhauser et al. Eds., Handbooks in OR & MS</i> 1 (1989) pp: 171-210, Elsevier Science Pub. B.V. (North-Holland)	

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